

PAT-NO: JP403224793A

DOCUMENT-IDENTIFIER: JP 03224793 A

TITLE: DETA RECORDING MEDIUM AND OPTICAL DATA
RECORDING METHOD

PUBN-DATE: October 3, 1991

INVENTOR-INFORMATION:

NAME

INAGAKI, YOSHIO

KOBAYASHI, TAKASHI

ASSIGNEE-INFORMATION:

NAME

FUJI PHOTO FILM CO LTD

COUNTRY

N/A

APPL-NO: JP02220334

APPL-DATE: August 22, 1990

INT-CL (IPC): B41M005/26, G11B007/24

US-CL-CURRENT: 428/411.1, 428/913

ABSTRACT:

PURPOSE: To enhance a C/N ratio and reflectivity by providing a recording layer composed of a mixture of a cyanine dye having a specific indolenine skeletal and a dye having the absorption max. on the side of a wavelength shorter than the absorption max. wavelength of the cyanine dye on a substrate and providing a reflecting layer composed of a metal thereon.

CONSTITUTION: A recording layer composed of a mixture of a cyanine dye having an indolenine skeletal represented by formula (I) (wherein R<SP>1</SP>, R<SP>2</SP> and R<SP>3</SP> are respectively independently an alkyl group which

Abstract only

may have a 1-8C substituent, a phenyl group or a benzyl group,
X<SP>p-</SP> is
an anion and p is 1 or 2) and a dye having the absorption max. on the
side of a
wavelength shorter than the absorption max. wavelength of the cyanine
dye is
provided on a substrate and a reflecting layer composed of a metal is
further
provided on the recording layer. The recording layer is irradiated
with laser
beam on the side of the substrate while this data recording medium is
rotated
to record data.

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PATENT ABSTRACTS OF JAPAN

(11)Publication number : 03-224793

(43)Date of publication of application : 03.10.1991

(51)Int.Cl.

B41M 5/26
G11B 7/24

(21)Application number : 02-220334

(71)Applicant : FUJI PHOTO FILM CO LTD

(22)Date of filing : 22.08.1990

(72)Inventor : INAGAKI YOSHIO
KOBAYASHI TAKASHI

(30)Priority

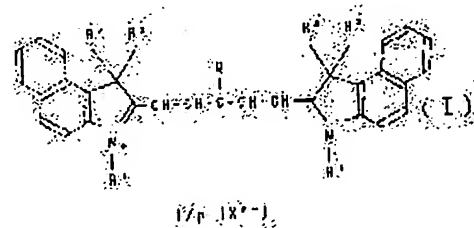
Priority number : 01333088 Priority date : 22.12.1989 Priority country : JP

(54) DETA RECORDING MEDIUM AND OPTICAL DATA RECORDING METHOD

(57)Abstract:

PURPOSE: To enhance a C/N ratio and reflectivity by providing a recording layer composed of a mixture of a cyanine dye having a specific indolenine skeletal and a dye having the absorption max. on the side of a wavelength shorter than the absorption max. wavelength of the cyanine dye on a substrate and providing a reflecting layer composed of a metal thereon.

CONSTITUTION: A recording layer composed of a mixture of a cyanine dye having an indolenine skeletal represented by formula (I) (wherein R₁, R₂ and R₃ are respectively independently an alkyl group which may have a 1-8C substituent, a phenyl group or a benzyl group, X^{p-} is an anion and p is 1 or 2) and a dye having the absorption max. on the side of a wavelength shorter than the absorption max. wavelength of the cyanine dye is provided on a substrate and a reflecting layer composed of a metal is further provided on the recording layer. The recording layer is irradiated with laser beam on the side of the substrate while this data recording medium is rotated to record data.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]